

Dunneback, Michael

From: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Sent: Monday, August 14, 2017 7:53 AM
To: Dunneback, Michael
Cc: Rolfes, Sarah; Drexler, Timothy; Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan, Michael/SAC; Lehman, Michael/MKE; Rohde, Beth/MKE
Subject: RE: USS Lead: Designs for nonresponsive

Thank you Mike.

From: Dunneback, Michael [mailto:dunneback.michael@epa.gov]
Sent: Monday, August 14, 2017 8:51 AM
To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>
Subject: RE: USS Lead: Designs for nonresponsive [EXTERNAL]

Hi Theo,

Yes, Paul and I discussed the ability to have the pre-con meetings for nonresponsive and nonresponsive. As I indicated to Paul, the swap-out change to nonresponsive and nonresponsive is acceptable.

Cordially,

Mike Dunneback

Contracting Officer
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Mail Code MCC-10J
77 W. Jackson Blvd.
Chicago, IL 60604
Phone – (312) 886-7523

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Jacki: Have we designs for these? If not, how far along are they?

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Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Pope, Janet <Pope.Janet@epa.gov>; Rodriguez, Charles <rodriguez.charles@epa.gov>
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Cc: Rolfes, Sarah; Shanahan, Michael/SAC; Arps, Paul/MKE; Watkins, Timothy/DET; Lehman, Michael/MKE
Subject: RE: USS Lead: Newly identified priority property at [REDACTED]

Theo,

I concur with the proposed swap of properties. Please move forward with making the necessary changes to incorporate [REDACTED] into the schedule. Also, it is noted that this is the last substitution possible in 2017 without altering commitments.

Cordially,

Mike Dunneback

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Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>
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Thanks Tim. As we discussed, we will plan to substitute in [REDACTED] [REDACTED] when the final design and access agreement are received, and there is just one correction (typo): the substitute out unresponsive property is [REDACTED] [REDACTED]. Based on pre-construction meetings completed to date this will be the last substitutions possible in 2017 without altering commitments to property owners for 2017.

Mike D. – please indicate your concurrence with this substitution.

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Subject: USS Lead: Newly identified priority property at [REDACTED] [REDACTED] [EXTERNAL]

Hi Theo: I sent TetraTech a request for a Remedial Design at [REDACTED] [REDACTED] owned by Mr. [REDACTED]. Please add this to the 2017 list, replacing the unresponsive property at [REDACTED] [REDACTED] as a priority property due to small children. I would like

you to contact the owner to discuss the excavation once we receive the design. He has a water line leak that he needs to excavate and repair when he can. We will be remediating only a portion of the large front yard and he needs to know where he can excavate now and what area will be excavated by us. FYI, his number is 773-710-nonresponsive

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Hi Rik: Could you generate designs for these two properties, if we don't have them already? They appear to have small children, so they could be eligible to move up to 2017.

Thanks,

-Tim

Dunneback, Michael

From: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Sent: Tuesday, August 08, 2017 9:22 AM
To: Dunneback, Michael
Cc: Rolfes, Sarah; Drexler, Timothy; Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan, Michael/SAC; Lehman, Michael/MKE; Rohde, Beth/MKE
Subject: RE: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive]

Thanks Mike. We will proceed accordingly.

From: Dunneback, Michael [mailto:dunneback.michael@epa.gov]
Sent: Tuesday, August 08, 2017 10:17 AM
To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>
Subject: RE: USS Lead: Designs for [nonresponsive] and [nonresponsive] Grasselli [EXTERNAL]

Good Morning Theo,

I concur with the swap out of these properties. Please proceed with incorporating the replacement properties into the 2017 schedule.

Cordially,

Mike Dunneback

Contracting Officer
U.S. EPA Region 5
Mail Code MCC-10J
77 W. Jackson Blvd.
Chicago, IL 60604
Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]
Sent: Friday, August 04, 2017 2:12 PM
To: Dunneback, Michael <dunneback.michael@epa.gov>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>
Subject: RE: USS Lead: Designs for [nonresponsive] and [nonresponsive] Grasselli

Mike D.,

We propose removing [nonresponsive] [nonresponsive] and [nonresponsive] [nonresponsive] (both non-high priority; non-responsive) from the 2017 program and replacing them with [nonresponsive] Grasselli and [nonresponsive] [nonresponsive] (both high priority) per Tim's email below. Please indicate your concurrence and we will proceed with modifying Arrowhead's subcontract accordingly.

Thank you,

Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]
Sent: Thursday, August 03, 2017 1:55 PM
To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Subject: FW: USS Lead: Designs for [nonresponsive] and [nonresponsive] [EXTERNAL]

Hi Mike: Attached are two properties on [nonresponsive] that have been identified as priority based on the presence of small children. We'd like to move them into the 2017 program. I understand that you'll need EPA PO approval.

-Tim

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Thursday, August 03, 2017 12:29 PM
To: Drexler, Timothy <drexler.timothy@epa.gov>; Hassan, Jacob <hassan.jacob@epa.gov>; Haag, Daniel <Haag.Daniel@epa.gov>
Cc: Matt Bizjack <mbizjack@scst.com>; Jacki Shepherd <jshepherd@scst.com>
Subject: FW: USS Lead: Designs for [nonresponsive] and [nonresponsive] [EXTERNAL]

Tim, Dan, and Jacob: The final designs for two properties where we recently learned small children reside are attached along with the access agreements for these properties. The access agreements for these properties date back to December 2014, so the remedial contractor should check with the county tax assessor to see if property ownership has changed.

Thanks,
Rik

From: Jacki Shepherd
Sent: Thursday, August 3, 2017 10:52 AM
To: Rik Lantz <rlantz@scst.com>
Subject: FW: USS Lead: Designs for [nonresponsive] and [nonresponsive] [EXTERNAL]

Final designs are attached.

Thanks,
Jacki Shepherd
GIS Analyst, Database Manager

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]
Sent: Tuesday, August 1, 2017 2:54 PM
To: Rik Lantz <rlantz@scst.com>
Cc: Jacki Shepherd <jshepherd@scst.com>; Matt Bizjack <mbizjack@scst.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Subject: RE: USS Lead: Designs for [nonresponsive] and [nonresponsive] [EXTERNAL]

Wonderful. Thanks, Rik.

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Tuesday, August 01, 2017 2:49 PM
To: Drexler, Timothy <drexler.timothy@epa.gov>

Cc: Jacki Shepherd <jshepherd@scst.com>; Matt Bizjack <mbizjack@scst.com>

Subject: FW: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive]

Tim: We can prepare designs for these two properties with small children pretty quickly; We'll put them as the first priority and get them finished, proofed, and sent to you & Jacob, et. al.

Thanks,
Rik

From: Jacki Shepherd

Sent: Tuesday, August 1, 2017 2:16 PM

To: Rik Lantz <rlantz@scst.com>

Subject: RE: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive]

They both just need a few changes due to manual excavation and then final proofing.

Jacki Shepherd
GIS Analyst, Database Manager

From: Rik Lantz

Sent: Tuesday, August 1, 2017 2:00 PM

To: Jacki Shepherd <jshepherd@scst.com>

Subject: FW: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive]

Jacki: Have we designs for these? If not, how far along are they?

Rik

From: Drexler, Timothy [<mailto:drexler.timothy@epa.gov>]

Sent: Tuesday, August 1, 2017 1:43 PM

To: Rik Lantz <rlantz@scst.com>; Matt Bizjack <mbizjack@scst.com>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Pope, Janet <Pope.Janet@epa.gov>; Rodriguez, Charles <rodriguez.charles@epa.gov>

Subject: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive]

Hi Rik: Could you generate designs for these two properties, if we don't have them already? They appear to have small children, so they could be eligible to move up to 2017.

Thanks,

-Tim

Dunneback, Michael

From: Dunneback, Michael
Sent: Tuesday, August 08, 2017 9:17 AM
To: Von Wallmenich, Theo/DET
Cc: Rolfes, Sarah; Drexler, Timothy; Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan, Michael/SAC; Lehman, Michael/MKE; Rohde, Beth/MKE
Subject: RE: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive]

Good Morning Theo,

I concur with the swap out of these properties. Please proceed with incorporating the replacement properties into the 2017 schedule.

Cordially,

Mike Dunneback

Contracting Officer
U.S. EPA Region 5
Mail Code MCC-10J
77 W. Jackson Blvd.
Chicago, IL 60604
Phone — (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]
Sent: Friday, August 04, 2017 2:12 PM
To: Dunneback, Michael <dunneback.michael@epa.gov>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>
Subject: RE: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive]

Mike D.,

We propose removing [nonresponsive] [nonresponsive] and [nonresponsive] [nonresponsive] (both non-high priority; non-responsive) from the 2017 program and replacing them with [nonresponsive] [nonresponsive] and [nonresponsive] [nonresponsive] (both high priority) per Tim's email below. Please indicate your concurrence and we will proceed with modifying Arrowhead's subcontract accordingly.

Thank you,
Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]
Sent: Thursday, August 03, 2017 1:55 PM
To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Subject: FW: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive] [EXTERNAL]

Hi Mike: Attached are two properties on [nonresponsive] that have been identified as priority based on the presence of small children. We'd like to move them into the 2017 program. I understand that you'll need EPA PO approval.

-Tim

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Thursday, August 03, 2017 12:29 PM
To: Drexler, Timothy <drexler.timothy@epa.gov>; Hassan, Jacob <hassan.jacob@epa.gov>; Haag, Daniel <Haag.Daniel@epa.gov>
Cc: Matt Bizjack <mbizjack@scst.com>; Jacki Shepherd <jshepherd@scst.com>
Subject: FW: USS Lead: Designs for [nonresponsive] and [nonresponsive] Grasselli

Tim, Dan, and Jacob: The final designs for two properties where we recently learned small children reside are attached along with the access agreements for these properties. The access agreements for these properties date back to December 2014, so the remedial contractor should check with the county tax assessor to see if property ownership has changed.

Thanks,
Rik

From: Jacki Shepherd
Sent: Thursday, August 3, 2017 10:52 AM
To: Rik Lantz <rlantz@scst.com>
Subject: FW: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive]

Final designs are attached.

Thanks,
Jacki Shepherd
GIS Analyst, Database Manager

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]
Sent: Tuesday, August 1, 2017 2:54 PM
To: Rik Lantz <rlantz@scst.com>
Cc: Jacki Shepherd <jshepherd@scst.com>; Matt Bizjack <mbizjack@scst.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Subject: RE: USS Lead: Designs for [nonresponsive] and [nonresponsive] [nonresponsive]

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Sent: Tuesday, August 01, 2017 2:49 PM
To: Drexler, Timothy <drexler.timothy@epa.gov>
Cc: Jacki Shepherd <jshepherd@scst.com>; Matt Bizjack <mbizjack@scst.com>
Subject: FW: USS Lead: Designs [nonresponsive] and [nonresponsive] [nonresponsive]

Tim: We can prepare designs for these two properties with small children pretty quickly; We'll put them as the first priority and get them finished, proofed, and sent to you & Jacob, et. al.

Thanks,
Rik

From: Jacki Shepherd
Sent: Tuesday, August 1, 2017 2:16 PM

To: Rik Lantz <rlantz@scst.com>

Subject: RE: USS Lead: Designs for [REDACTED] and [REDACTED] [REDACTED]

They both just need a few changes due to manual excavation and then final proofing.

Jacki Shepherd
GIS Analyst, Database Manager

From: Rik Lantz

Sent: Tuesday, August 1, 2017 2:00 PM

To: Jacki Shepherd <jshepherd@scst.com>

Subject: FW: USS Lead: Designs for [REDACTED] and [REDACTED] [REDACTED]

Jacki: Have we designs for these? If not, how far along are they?

Rik

From: Drexler, Timothy [<mailto:drexler.timothy@epa.gov>]

Sent: Tuesday, August 1, 2017 1:43 PM

To: Rik Lantz <rlantz@scst.com>; Matt Bizjack <mbizjack@scst.com>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Pope, Janet <Pope.Janet@epa.gov>; Rodriguez, Charles <rodriguez.charles@epa.gov>

Subject: USS Lead: Designs for [REDACTED] and [REDACTED] [REDACTED]

Hi Rik: Could you generate designs for these two properties, if we don't have them already? They appear to have small children, so they could be eligible to move up to 2017.

Thanks,

-Tim

Dunneback, Michael

From: Martin, Linda
Sent: Tuesday, July 25, 2017 6:33 AM
To: Olsson, Daniel; Dunneback, Michael; Drexler, Timothy; Rolfes, Sarah
Subject: RE: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive]

Thank you Daniel. LM

Linda Martin
Environmental Scientist
US EPA
77 West Jackson SA-5J
Chicago, IL 60604
312-886-3854

From: Olsson, Daniel
Sent: Tuesday, July 25, 2017 6:30 AM
To: Dunneback, Michael <dunneback.michael@epa.gov>; Martin, Linda <martin.lindab@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Subject: FW: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive]

FYI

From: Watkins, Timothy/DET [<mailto:Timothy.Watkins@CH2M.com>]
Sent: Tuesday, July 25, 2017 6:27 AM
To: Olsson, Daniel <olsson.daniel@epa.gov>
Subject: RE: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive]

Good morning Daniel,

CH2M acknowledges receipt of this approval.

Thank you!

Timothy Watkins
Senior Project Manager
National Government Client Sector
D 1 517 668 6006
M 1 517 899 6081

CH2M
7927 Nemco Way
Suite 120
Brighton, MI 48116

From: Olsson, Daniel [<mailto:olsson.daniel@epa.gov>]
Sent: Tuesday, July 25, 2017 7:23 AM
To: Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Subject: RE: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive] [EXTERNAL]

EPA hereby approves the highlighted swapouts identified in the attached spreadsheet.

Daniel E. Olsson
Contracting Officer/Team Lead - RAC
Environmental Protection Agency
Region 5 Chicago

Voice: 312 886 1423

From: Watkins, Timothy/DET [<mailto:Timothy.Watkins@CH2M.com>]
Sent: Monday, July 24, 2017 1:30 PM
To: Olsson, Daniel <olsson.daniel@epa.gov>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Subject: FW: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive]

Hello Daniel,

Per our discussion, CH2M is requesting your approval of the two highlighted swapouts in the attached spreadsheet. With Tim Drexler out of the office, Theo also has discussed these the onsite EPA rep, Sarah Rolfes, who has indicated to us that these are appropriate swapouts.

Thanks

Timothy Watkins
Senior Project Manager
National Government Client Sector
D 1 517 668 6006
M 1 517 899 6081

CH2M
7927 Nemco Way
Suite 120
Brighton, MI 48116

From: Von Wallmenich, Theo/DET
Sent: Wednesday, July 19, 2017 3:24 PM
To: Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>
Subject: RE: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive] [EXTERNAL]

Thanks Tim. Do we have CO approval on the other recent swap ([nonresponsive] [nonresponsive] in [nonresponsive] [nonresponsive] out; see attached) too?

Thanks,
Theo

From: Watkins, Timothy/DET
Sent: Wednesday, July 19, 2017 3:15 PM
To: Olsson, Daniel <olsson.daniel@epa.gov>
Cc: Christina Dellaria (<dellaria.christina@epa.gov> <dellaria.christina@epa.gov>); Tim Drexler <drexler.timothy@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE

<Paul.Arps@CH2M.com>

Subject: RE: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive] [EXTERNAL]

Hello Daniel,

Per your request CH2M confirms we have received your approval.

Thank you

Timothy Watkins
Senior Project Manager
National Government Client Sector
D 1 517 668 6006
M 1 517 899 6081

CH2M
7927 Nemco Way
Suite 120
Brighton, MI [nonresponsive]

From: Olsson, Daniel [mailto:olsson.daniel@epa.gov]

Sent: Wednesday, July 19, 2017 2:51 PM

To: Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>

Subject: FW: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive] [EXTERNAL]

EPA concurs with your request for the below property switch outs.

Daniel E. Olsson
Contracting Officer/Team Lead - RAC
Environmental Protection Agency
Region 5 Chicago

Voice: 312 886 1423

From: Drexler, Timothy

Sent: Monday, July 17, 2017 3:44 PM

To: Olsson, Daniel <olsson.daniel@epa.gov>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>; Dellaria, Christina <Dellaria.Christina@epa.gov>

Subject: RE: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive]

Hi Daniel: I recommend approval of these changes to property scheduling due to our identified priorities, which are either higher concentrations of site-related contaminants or the presence of small children at the residence.





-Tim

From: Arps, Paul/MKE [mailto:Paul.Arps@CH2M.com]

Sent: Monday, July 17, 2017 3:26 PM

To: Olsson, Daniel <olsson.daniel@epa.gov>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Drexler, Timothy <drexler.timothy@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Dunneback, Michael <dunneback.michael@epa.gov>; Dellaria, Christina <Dellaria.Christina@epa.gov>

Subject: RE: USS Lead Priority properties - Add   Remove  

Good Afternoon Daniel,

CH2M did not hear back from Mike D. before he left on vacation on Friday regarding the below concurrence request. As the 120 property completions for Zone 3 at USS Lead are outlined in the design provided by SulTRAC (and ultimately incorporated into our SOW) we have been receiving CO approval for property substitutions. I have copied Christina on this communication as she has also been aware of these property substitution communications and can provide some additional information if necessary.

Could you review and provide your concurrence at your convenience. If you have any questions, please let me know.

Thanks!

Paul Arps
Program Manager
Manager of Projects
National Government Client Sector
D 414 847 0259
M 262 617 7762

CH2M
135 S. 84th Street
Milwaukee, WI 53214
www.ch2m.com | [LinkedIn](#) | [Twitter](#) | [Facebook](#)





Want to join our world-class team? [We're hiring!](#)



From: Von Wallmenich, Theo/DET





Sent: Friday, July 14, 2017 8:17 AM

To: Timothy Drexler (drexler.timothy@epa.gov) <drexler.timothy@epa.gov>; Dunneback.Michael@epamail.epa.gov

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rodriguez, Charles <rodriguez.charles@epa.gov>; Pope, Janet <Pope.Janet@epa.gov>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

Subject: RE: USS Lead Priority properties - Add   Remove  

Thanks Tim. I will get the access agreement for   from SulTRAC.

Mike D. – We are proposing to remove   (a non-responsive, non-high priority property) from the 2017 work to accommodate adding in   Do you concur?

Thanks,
Theo



From: Drexler, Timothy [<mailto:drexler.timothy@epa.gov>]

Sent: Thursday, July 13, 2017 6:06 PM

To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rodriguez, Charles <rodriguez.charles@epa.gov>; Pope, Janet <Pope.Janet@epa.gov>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>

Subject: RE: USS Lead Priority properties [EXTERNAL]

Hi Theo: Thanks for reminding me that 4742-56 Carey is the Holy Trinity Church. We have confirmed that there is no daycare center there so that can be taken off of the priority list. The   design is attached.

-Tim

From: Von Wallmenich, Theo/DET [<mailto:Theo.VonWallmenich@CH2M.com>]

Sent: Thursday, July 13, 2017 12:58 PM

To: Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Drexler, Timothy <drexler.timothy@epa.gov>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

Subject: Re: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Tim,

The status of those 2 Mike indicates last we looked at this is that one still needed data to come back, and one (the church) was still being evaluated if high priority or not. SulTRAC was looking into those 2 issues.

If those 2 properties are now ready to substitute in then I will get the approved final RD drawings and access agreements from Rik, and we will identify 2 non-responsives to pull out and seek CO concurrence.

Mike L. - please start looking for 2 more non-responsives to substitute out.

Thanks,
Theo

On Jul 13, 2017, at 1:00 PM, Lehman, Michael/MKE <Michael.Lehman@CH2M.com> wrote:

Hi Tim-

The two properties highlighted in green below have not been formally added to Arrowheads scope yet, so they are not currently in the tracker. The other seven properties have been added to the tracking spreadsheet. You will see that change in tonight's email.

Thanks

Michael Lehman
Associate Project Manager/Construction Manager
D 1 414 847 0327
M 1 414 687 6665

CH2M
135 S 84th St, Suite 400
Milwaukee, WI 53214
USA
www.ch2m.com | [LinkedIn](#) | [Twitter](#) | [Facebook](#)

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Thursday, July 13, 2017 11:29 AM

To: Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>

Cc: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

Subject: RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17 [EXTERNAL]

Hi Mike: The table doesn't seem to reflect yet the identified priority swap-outs due to sampling/presence of children:

nonresponsive Ave
nonresponsive Ave
nonresponsive St
nonresponsive St
nonresponsive St
nonresponsive Ave
nonresponsive 19 St
nonresponsive 36 Ave

We should make those changes.

-Tim

From: Lehman, Michael/MKE [mailto:Michael.Lehman@CH2M.com]

Sent: Wednesday, July 12, 2017 5:32 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>

Cc: Amley, Kimberly/DET <Kimberly.Amley@CH2M.com>; Ewing, Denis/ATL <Denis.Ewing@CH2M.com>; Woods, Carl/CIN <Carl.Woods@CH2M.com>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Plsek, Robert/DFW <Robert.Plsek@CH2M.com>; Seaman, Jennifer/CHC <Jennifer.Seaman@ch2m.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Tim, Sarah and Michael-

The following is a summary for the USS Lead Zone 3 remediation project through July 12th, 2017. Please also find for your review the EPA progress summary and City info summaries attached.

Project Progress Summary

Precon Surveys Completed

- 69 of 120

Excavations Completed

- 34 of 120

General Fill Completed

- 22 Properties

Topsoil Completed

- 29 Properties

Sod Installations Completed

- 26 Properties

Sod Maintenance Period Completed

- 2 Properties

Preconstruction Property Meeting Status

Meetings today:

- nonresponsive 19 nonresponsive

Status:

- Initial Precon Meetings % Complete: 75.0%
- Final Precon Meetings % Complete: 62.5%

Post construction Property Meeting Status

- No Post-Con meetings today

- **Post-Con Meetings % Complete: 0.0%**

Work Performed Today

Safety-

- CH2M and Arrowhead complete tailgate safety meeting
- Safe behavior observations completed today
- ACI submits final incident report for topsoil truck vehicular accident
- Lightning shutdown site operations from 10:22 am to 11:43 am
- Heavy rains at approximately 1:45 pm shut down operations for the remainder of the day
- ACI completes physiological monitoring

Quality

- QA completed field verification of Post topsoil survey at [nonresponsive] [nonresponsive]
 - QA inspected excavation at [nonresponsive] [nonresponsive] and [nonresponsive] [nonresponsive]
 - QA inspected common fill placement at [nonresponsive] [nonresponsive]
 - QA completed Sod placement at [nonresponsive] [nonresponsive] Sod panels were thinner than the ½" requirement in the specs. ACI assumes responsibility for Sod placed per RFI 11.
 - QA completed sod follow up inspections at [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive]
- QA completed air monitoring support for team members as needed. Various sod panels still showing brown areas.
- QA completed QC of perimeter air monitoring data.
 - Transmittals received: None
 - Transmittals distributed: RFI 12- Compaction testing- testing to continue per specifications.

Property Work Today

- **Impacted export today**
- [nonresponsive] [nonresponsive] 2 (5CY) Truck
- [nonresponsive] [nonresponsive] 3 (5CY) Truck and 5 (7CY) Truck
- **Arrowhead tree and stump removal today:**
- None

- Arrowhead property clearing today:

- [nonresponsive] [nonresponsive] Started

- Bloodhound completes utility locate surveys at:

- None

- Abonmarche surveys completed today:

- [nonresponsive] [nonresponsive] Survey 4

- Backfill today:

- [nonresponsive] [nonresponsive] – 9 (5CY) Trucks Common Backfill
- [nonresponsive] [nonresponsive] 6 (5CY) Trucks Common Backfill

- Concrete Repairs:

- None

- Sod, plants, and restoration completed today

- Sod Completed at 4729 [nonresponsive] and [nonresponsive] [nonresponsive]

General Work Today

- ACI stockpile management
- Backfill operations
- Excavations
- Survey operations
- End of the day security checks completed
- Security patrol

Import Fill today

- 5 loads common fill

- 1 load of #53 stone
- 9 loads of topsoil

Waterline flushing today

- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonres]

Street Force Operations

- Water bill flyers handed out
- Made contact with owner at [nonresponsive] [nonresponsive] to setup pre-construction meeting

Changed Conditions/Delay/Conflicts Encountered

- Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

Visitors/Discussions

- Theo Von Wallmenich

Planned Work for Tomorrow (7/13)

Clearing:

[nonresponsive] [nonresponsive]

Excavation:

Crew 1: [nonresponsive] [nonresponsive] – Continue
[nonresponsive] [nonresponsive] Touch up

Crew 2: [nonresponsive] [nonresponsive] – Continue

Backfill:

Crew 1: [nonresponsive] [nonresponsive] Topsoil – Continue
[nonresponsive] [nonresponsive] - Start

Crew 2: [nonresponsive] [nonres] Topsoil – Continue
[nonresponsive] [nonresponsive] - Start

Restoration:

nonrespons nonres

Plants and Sod:

nonrespons nonresponsive – Sod, weather dependent

Trees and stumps:

None

Surveys:

nonrespons nonresponsive Survey 3
nonrespons nonres Survey 3
nonrespons nonres Survey 2
nonresponsive nonresponsive Survey 1
nonrespons nonresponsive Survey 1
nonrespons nonresponsive Survey 1
nonrespons nonresponsive Survey 1
nonrespons nonresponsive Survey 1
nonrespons nonresponsive Survey 1
nonrespons nonresponsive Survey 1

Private Utility Locates:

None

Importing Backfill:

9 +/- Loads Common Backfill
1 Load Peat

Michael Lehman
Construction Manager
D 1 414 847 0327
M 1 414 687 6665

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135 S 84th St, Suite 400
Milwaukee, WI 53214
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Dunneback, Michael

From: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Sent: Thursday, July 20, 2017 4:12 PM
To: Olsson, Daniel; Drexler, Timothy; Rolfes, Sarah
Cc: Dunneback, Michael; Dellaria, Christina; Arps, Paul/MKE; Watkins, Timothy/DET
Subject: USS Lead Zone 3 (WA #226) Property Substitutions - Summary Table
Attachments: 2017 Property Substitutions.xlsx

Daniel, Tim and Sarah,

Here is a summary of the Zone 3 property swaps to date. We will update this table on an ongoing basis as needed to keep track of the substitutions. One thing we need to remain cognizant of is the quantity imbalance when larger volume properties are removed and smaller volume properties substituted in. The quantity change does not appear to be too great at this point, but it is getting close to 10% of the Excavation line item quantity. To the extent possible we will want to balance the volumes as we swap in the new high-priority properties to avoid too much variance on subcontract line items that could lead to potential unit rate pricing changes. We will keep an eye on this going forward.

Daniel – There are two new substitutions highlighted in yellow in the attached table. Could you please indicate CO concurrence with the

Thank you,
Theo

Theo von Wallmenich
Senior Project Manager
D 1 989 285 1515
M 1 517 483 3015

CH2M
41850 West 11 Mile Road, Ste. 101
Novi, MI 48375
www.ch2m.com

USS Lead Zone 3 Remedial Action, Work Assignment 226, Contract EP-S5-06-01
Summary of 2017 Property Substitutions

Property	Volume	Unit	Subcontract Modification No.
----------	--------	------	---------------------------------

Substitute Out of 2017 (Remove)

nonresponsive nonresponsive	39	CY	Mod 001
nonresponsive 42 nonresponsive	298	CY	Mod 004
nonresponsive nonres	54	CY	Mod 004
nonresponsive nonres	73	CY	Mod 004
nonresponsive 30 nonresponsive	649	CY	Mod 004
nonresponsive nonresponsive	10	CY	Mod 004
nonresponsive nonresponsive	58	CY	Mod 004
nonresponsive nonresponsive	328	CY	Mod 004
nonresponsive nonresponsive	34	CY	
nonresponsive nonresponsive	36	CY	
nonresponsive nonres	23	CY	

Removed Total	1563	CY
---------------	------	----

Substitute In for 2017 (Include)

nonresponsive nonresponsive	39	CY	Mod 001
4723 nonresponsive	19	CY	Mod 004
nonresponsive nonresponsive	59	CY	Mod 004
nonresponsive nonresponsive	48	CY	Mod 004
nonresponsive nonresponsive	237	CY	Mod 004
nonresponsive 19 nonresponsive	70	CY	Mod 004
nonresponsive nonresponsive	7	CY	Mod 004
nonresponsive 36 nonresponsive	192	CY	Mod 004
nonresponsive nonresponsive	59	CY	
4740 nonresponsive	22	CY	
nonresponsive nonresponsive	98	CY	

Replacement Total	811	CY
-------------------	-----	----

Replacement vs. removed delta	-752	CY
-------------------------------	------	----

Dunneback, Michael

From: Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>
Sent: Wednesday, July 19, 2017 2:21 PM
To: Dunneback, Michael
Subject: FW: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive]

Hi Mike,

I apologize for not copying you on the email below. That's what happens when you and Paul leave me and Daniel to get things done.

Thanks!
Tim

From: Watkins, Timothy/DET
Sent: Wednesday, July 19, 2017 3:15 PM
To: 'Olsson, Daniel' <olsson.daniel@epa.gov>
Cc: Christina Dellaria (dellaria.christina@epa.gov) <dellaria.christina@epa.gov>; Tim Drexler <drexler.timothy@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>
Subject: RE: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive] [EXTERNAL]

Hello Daniel,

Per your request CH2M confirms we have received your approval.

Thank you

Timothy Watkins
Senior Project Manager
National Government Client Sector
D 1 517 668 6006
M 1 517 899 6081

CH2M
7927 Nemco Way
Suite 120
Brighton, MI 48116





From: Olsson, Daniel [mailto:olsson.daniel@epa.gov]
Sent: Wednesday, July 19, 2017 2:51 PM
To: Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>
Subject: FW: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive] [EXTERNAL]

EPA concurs with your request for the below property switch outs.

Daniel E. Olsson
Contracting Officer/Team Lead - RAC





Environmental Protection Agency
Region 5 Chicago

Voice: 312 886 1423

From: Drexler, Timothy
Sent: Monday, July 17, 2017 3:44 PM
To: Olsson, Daniel <olsson.daniel@epa.gov>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>; Dellaria, Christina <Dellaria.Christina@epa.gov>
Subject: RE: USS Lead Priority properties - Add   Remove  

Hi Daniel: I recommend approval of these changes to property scheduling due to our identified priorities, which are either higher concentrations of site-related contaminants or the presence of small children at the residence.

-Tim

From: Arps, Paul/MKE [<mailto:Paul.Arps@CH2M.com>]
Sent: Monday, July 17, 2017 3:26 PM
To: Olsson, Daniel <olsson.daniel@epa.gov>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Drexler, Timothy <drexler.timothy@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Dunneback, Michael <dunneback.michael@epa.gov>; Dellaria, Christina <Dellaria.Christina@epa.gov>
Subject: RE: USS Lead Priority properties - Add   Remove  

Good Afternoon Daniel,

CH2M did not hear back from Mike D. before he left on vacation on Friday regarding the below concurrence request. As the 120 property completions for Zone 3 at USS Lead are outlined in the design provided by SulTRAC (and ultimately incorporated into our SOW) we have been receiving CO approval for property substitutions. I have copied Christina on this communication as she has also been aware of these property substitution communications and can provide some additional information if necessary.

Could you review and provide your concurrence at your convenience. If you have any questions, please let me know.

Thanks!

Paul Arps
Program Manager
Manager of Projects
National Government Client Sector
D 414 847 0259
M 262 617 7762

CH2M
135 S. 84th Street
Milwaukee, WI 53214

Want to join our world-class team? [We're hiring!](#)

From: Von Wallmenich, Theo/DET
Sent: Friday, July 14, 2017 8:17 AM
To: Timothy Drexler (drexler.timothy@epa.gov) <drexler.timothy@epa.gov>; Dunneback, Michael/epamail.epa.gov
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rodriguez, Charles <rodriguez.charles@epa.gov>; Pope, Janet <Pope.Janet@epa.gov>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>
Subject: RE: USS Lead Priority properties - Add [nonresponsive] [nonresponsive] Remove [nonresponsive] [nonresponsive]

Thanks Tim. I will get the access agreement for [nonresponsive] [nonresponsive] from SulTRAC.

Mike D. – We are proposing to remove [nonresponsive] [nonresponsive] (a non-responsive, non-high priority property) from the 2017 work to accommodate adding in [nonresponsive] [nonresponsive]. Do you concur?

Thanks,
Theo

From: Drexler, Timothy [<mailto:drexler.timothy@epa.gov>]
Sent: Thursday, July 13, 2017 6:06 PM
To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rodriguez, Charles <rodriguez.charles@epa.gov>; Pope, Janet <Pope.Janet@epa.gov>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>
Subject: RE: USS Lead Priority properties [EXTERNAL]

Hi Theo: Thanks for reminding me that 4742-56 Carey is the Holy Trinity Church. We have confirmed that there is no daycare center there so that can be taken off of the priority list. The [nonresponsive] [nonresponsive] design is attached.

-Tim

From: Von Wallmenich, Theo/DET [<mailto:Theo.VonWallmenich@CH2M.com>]
Sent: Thursday, July 13, 2017 12:58 PM
To: Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Drexler, Timothy <drexler.timothy@epa.gov>
Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>
Subject: Re: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Tim,

The status of those 2 Mike indicates last we looked at this is that one still needed data to come back, and one (the church) was still being evaluated if high priority or not. SulTRAC was looking into those 2 issues.

If those 2 properties are now ready to substitute in then I will get the approved final RD drawings and access agreements from Rik, and we will identify 2 non-responsives to pull out and seek CO concurrence.

Mike L. - please start looking for 2 more non-responsives to substitute out.

Thanks,
Theo

On Jul 13, 2017, at 1:00 PM, Lehman, Michael/MKE <Michael.Lehman@CH2M.com> wrote:

Hi Tim-

The two properties highlighted in green below have not been formally added to Arrowheads scope yet, so they are not currently in the tracker. The other seven properties have been added to the tracking spreadsheet. You will see that change in tonight's email.

Thanks

Michael Lehman
Associate Project Manager/Construction Manager
D 1 414 847 0327
M 1 414 687 6665

CH2M
135 S 84th St, Suite 400
Milwaukee, WI 53214
USA
www.ch2m.com | [LinkedIn](#) | [Twitter](#) | [Facebook](#)

From: Drexler, Timothy [<mailto:drexler.timothy@epa.gov>]

Sent: Thursday, July 13, 2017 11:29 AM

To: Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>

Cc: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

Subject: RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17 [EXTERNAL]

Hi Mike: The table doesn't seem to reflect yet the identified priority swap-outs due to sampling/presence of children:

nonresponsive nonresponsive Ave
nonresponsive nonresponsive Ave
nonresponsiveSt
nonresponsiveSt
nonresponsive nonresponsive St
nonresponsive nonresponsive St
nonresponsive nonresponsive Ave
nonresponsive19 nonresponsive St
nonresponsive36 Grasselli Ave

We should make those changes.

-Tim

From: Lehman, Michael/MKE [mailto:Michael.Lehman@CH2M.com]

Sent: Wednesday, July 12, 2017 5:32 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>

Cc: Amley, Kimberly/DET <Kimberly.Amley@CH2M.com>; Ewing, Denis/ATL <Denis.Ewing@CH2M.com>; Woods, Carl/CIN <Carl.Woods@CH2M.com>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Plsek, Robert/DFW <Robert.Plsek@CH2M.com>; Seaman, Jennifer/CHC <Jennifer.Seaman@ch2m.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Tim, Sarah and Michael-

The following is a summary for the USS Lead Zone 3 remediation project through July 12th, 2017. Please also find for your review the EPA progress summary and City info summaries attached.

Project Progress Summary

Precon Surveys Completed

- 69 of 120

Excavations Completed

- 34 of 120

General Fill Completed

- 22 Properties

Topsoil Completed

- 29 Properties

Sod Installations Completed

- 26 Properties

Sod Maintenance Period Completed

- 2 Properties

Preconstruction Property Meeting Status

Meetings today:

- nonresponsive 19 nonresponsive

Status:

- Initial Precon Meetings % Complete: 75.0%
- Final Precon Meetings % Complete: 62.5%

Post construction Property Meeting Status

- No Post-Con meetings today
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- ACI completes physiological monitoring

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- QA inspected common fill placement at nonresponsive nonresp
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- QA completed air monitoring support for team members as needed. Various sod panels still showing brown areas.
- QA completed QC of perimeter air monitoring data.
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- Transmittals distributed: RFI 12- Compaction testing- testing to continue per specifications.

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- [nonresponsive] [nonresponsive] 3 (5CY) Truck and 5 (7CY) Truck
- Arrowhead tree and stump removal today:
- None
- Arrowhead property clearing today:
- [nonresponsive] [nonresponsive] Started
- Bloodhound completes utility locate surveys at:
- None
- Abonmarche surveys completed today:
- [nonresponsive] [nonresponsive] Survey 4
- Backfill today:
- [nonresponsive] [nonresponsive] — 9 (5CY) Trucks Common Backfill
- [nonresponsive] [nonresponsive] 6 (5CY) Trucks Common Backfill

- Concrete Repairs:
- None
- Sod, plants, and restoration completed today
- Sod Completed at 4729 [nonresponsive] and [nonresponsive] [nonresp]

General Work Today

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- Backfill operations
- Excavations
- Survey operations
- End of the day security checks completed
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Import Fill today

- 5 loads common fill
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Waterline flushing today

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Changed Conditions/Delay/Conflicts Encountered

- Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

Visitors/Discussions

- Theo Von Wallmenich

Planned Work for Tomorrow (7/13)

Clearing:

nonresponsive nonresponsive

Excavation:

Crew 1: nonresponsive nonresponsive – Continue
nonresponsive nonresponsive Touch up

Crew 2: nonresponsive nonresponsive – Continue

Backfill:

Crew 1: nonresponsive nonresponsive Topsoil – Continue
nonresponsive nonresponsive Start

Crew 2: nonresponsive nonresponsive Topsoil – Continue
nonresponsive nonresponsive - Start

Restoration:

nonresponsive nonresponsive

Plants and Sod:

nonresponsive nonresponsive – Sod, weather dependent

Trees and stumps:

None

Surveys:

nonresponsive nonresponsive Survey 3
nonresponsive nonresponsive Survey 3
nonresponsive nonresponsive Survey 2
nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1

Private Utility Locates:

None

Importing Backfill:





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Michael Lehman
Construction Manager
D 1 414 847 0327
M 1 414 687 6665

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Dunneback, Michael

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Sent: Monday, July 17, 2017 3:44 PM
To: Olsson, Daniel
Cc: Rolfes, Sarah; Dunneback, Michael; Dellaria, Christina
Subject: RE: USS Lead Priority properties - Add   Remove  

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Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Drexler, Timothy <drexler.timothy@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Dunneback, Michael <dunneback.michael@epa.gov>; Dellaria, Christina <Dellaria.Christina@epa.gov>
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Thanks!

Paul Arps
Program Manager
Manager of Projects
National Government Client Sector
D 414 847 0259
M 262 617 7762

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Want to join our world-class team? [We're hiring!](#)

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Subject: Re: USS Lead Daily Zone 3 Field Progress Report 7-12-17

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Sent: Thursday, July 13, 2017 11:29 AM
To: Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>
Cc: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
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Cc: Amley, Kimberly/DET <Kimberly.Amley@CH2M.com>; Ewing, Denis/ATL <Denis.Ewing@CH2M.com>; Woods, Carl/CIN <Carl.Woods@CH2M.com>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Plsek, Robert/DFW <Robert.Plsek@CH2M.com>; Seaman, Jennifer/CHC <Jennifer.Seaman@ch2m.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>; Watkins, Timothy/DET

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Dunneback, Michael

From: Arps, Paul/MKE <Paul.Arps@CH2M.com>
Sent: Monday, July 17, 2017 3:26 PM
To: Olsson, Daniel
Cc: Rolfes, Sarah; Shanahan, Michael/SAC; Lehman, Michael/MKE; Watkins, Timothy/DET; Shanahan, Michael/SAC; Drexler, Timothy; Von Wallmenich, Theo/DET; Dunneback, Michael; Dellaria, Christina
Subject: RE: USS Lead Priority properties - Add [nonresponsive](#) [nonresponsive](#) Remove [nonresponsive](#) [nonresponsive](#)

Good Afternoon Daniel,

CH2M did not hear back from Mike D. before he left on vacation on Friday regarding the below concurrence request. As the 120 property completions for Zone 3 at USS Lead are outlined in the design provided by SulTRAC (and ultimately incorporated into our SOW) we have been receiving CO approval for property substitutions. I have copied Christina on this communication as she has also been aware of these property substitution communications and can provide some additional information if necessary.

Could you review and provide your concurrence at your convenience. If you have any questions, please let me know.

Thanks!

Paul Arps
Program Manager
Manager of Projects
National Government Client Sector
D 414 847 0259
M 262 617 7762

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Want to join our world-class team? [We're hiring!](#)



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Crew 2: nonresponsive nonresponsive Topsoil – Continue
nonresponsive nonresponsive – Start

Restoration:

nonresponsive nonresponsive

Plants and Sod:

nonresponsive nonresponsive – Sod, weather dependent

Trees and stumps:

None

Surveys:

nonresponsive nonresponsive Survey 3
nonresponsive nonresponsive Survey 3
nonresponsive nonresponsive Survey 2
nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1
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nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1
nonresponsive nonresponsive Survey 1

Private Utility Locates:

None

Importing Backfill:

9 +/- Loads Common Backfill
1 Load Peat

Michael Lehman
Construction Manager
D 1 414 847 0327
M 1 414 687 6665

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135 S 84th St, Suite 400
Milwaukee, WI 53214
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Dunneback, Michael

From: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Sent: Thursday, July 13, 2017 12:58 PM
To: Lehman, Michael/MKE; Drexler, Timothy
Cc: Rolfes, Sarah; Dunneback, Michael; Shanahan, Michael/SAC
Subject: Re: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Tim,

The status of those 2 Mike indicates last we looked at this is that one still needed data to come back, and one (the church) was still being evaluated if high priority or not. SulTRAC was looking into those 2 issues.

If those 2 properties are now ready to substitute in then I will get the approved final RD drawings and access agreements from Rik, and we will identify 2 non-responsives to pull out and seek CO concurrence.

Mike L. - please start looking for 2 more non-responsives to substitute out.

Thanks,
Theo

On Jul 13, 2017, at 1:00 PM, Lehman, Michael/MKE <Michael.Lehman@CH2M.com> wrote:

Hi Tim-

The two properties highlighted in green below have not been formally added to Arrowheads scope yet, so they are not currently in the tracker. The other seven properties have been added to the tracking spreadsheet. You will see that change in tonight's email.

Thanks

Michael Lehman
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From: Drexler, Timothy [<mailto:drexler.timothy@epa.gov>]
Sent: Thursday, July 13, 2017 11:29 AM
To: Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>
Cc: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Subject: RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17 [EXTERNAL]

Hi Mike: The table doesn't seem to reflect yet the identified priority swap-outs due to sampling/presence of children:

nonresponsive Ave
nonresponsive Ave
nonresponsive St
nonresponsive St
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nonresponsive St
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nonresponsive 19 St
nonresponsive 36 Ave

We should make those changes.

-Tim

From: Lehman, Michael/MKE [<mailto:Michael.Lehman@CH2M.com>]

Sent: Wednesday, July 12, 2017 5:32 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>

Cc: Amley, Kimberly/DET <Kimberly.Amley@CH2M.com>; Ewing, Denis/ATL

<Denis.Ewing@CH2M.com>; Woods, Carl/CIN <Carl.Woods@CH2M.com>; Von Wallmenich, Theo/DET

<Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Plsek, Robert/DFW

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<Beth.Rohde@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan,

Michael/SAC <Michael.Shanahan@CH2M.com>

Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17

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Meetings today:

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Status:

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Property Work Today

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 - [nonresponsive] [nonresponsive] 2 (5CY) Truck
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- **Arrowhead tree and stump removal today:**
 - None
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 - [nonresponsive] [nonresponsive] Started
- **Bloodhound completes utility locate surveys at:**
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- **Concrete Repairs:**
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- **Sod, plants, and restoration completed today**
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- [nonresponsive] [nonresponsive]

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Crew 2: [nonresponsive] [nonresponsive] – Continue

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Plants and Sod:

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Trees and stumps:

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nonresponsive	nonresponsive	Survey 1
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Dunneback, Michael

From: Lehman, Michael/MKE <Michael.Lehman@CH2M.com>
Sent: Thursday, July 13, 2017 12:00 PM
To: Drexler, Timothy; Rolfes, Sarah; Dunneback, Michael
Cc: Von Wallmenich, Theo/DET; Shanahan, Michael/SAC; Rolfes, Sarah
Subject: RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17

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Sent: Thursday, July 13, 2017 11:29 AM
To: Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>
Cc: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
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Sent: Wednesday, July 12, 2017 5:32 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>

Cc: Amley, Kimberly/DET <Kimberly.Amley@CH2M.com>; Ewing, Denis/ATL <Denis.Ewing@CH2M.com>; Woods, Carl/CIN <Carl.Woods@CH2M.com>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Plsek, Robert/DFW <Robert.Plsek@CH2M.com>; Seaman, Jennifer/CHC <Jennifer.Seaman@ch2m.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

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- **Backfill today:**
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- **Concrete Repairs:**
 - None
- **Sod, plants, and restoration completed today**
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- ACI stockpile management
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- Excavations
- Survey operations
- End of the day security checks completed
- Security patrol

Import Fill today

- 5 loads common fill
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- 9 loads of topsoil

Waterline flushing today

- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonresponsive]

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- Water bill flyers handed out
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Planned Work for Tomorrow (7/13)

Clearing:

nonresponsive nonresponsive

Excavation:

Crew 1: nonresponsive nonresponsive – Continue
nonresponsive nonresponsive Touch up

Crew 2: nonresponsive nonresponsive – Continue

Backfill:

Crew 1: nonresponsive nonresponsive Topsoil – Continue
nonresponsive nonresponsive Start

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nonresponsive nonresponsive - Start

Restoration:

nonresponsive nonres

Plants and Sod:

nonresponsive nonresponsive – Sod, weather dependent

Trees and stumps:

None

Surveys:

nonresponsive nonresponsive Survey 3
nonresponsive nonres Survey 3
nonresponsive nonres Survey 2
nonresponsive nonresponsive Survey 1
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M 1 414 687 6665

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Dunneback, Michael

From: Dunneback, Michael
Sent: Thursday, July 13, 2017 11:33 AM
To: Arps, Paul/MKE
Subject: FW: USS Lead Daily Zone 3 Field Progress Report 7-12-17

FYI...

Cordially,

Mike Dunneback

Contracting Officer
U.S. EPA Region 5
Mail Code MCC-10J
77 W. Jackson Blvd.
Chicago, IL 60604
Phone – (312) 886-7523

From: Drexler, Timothy
Sent: Thursday, July 13, 2017 11:29 AM
To: Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>
Cc: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Subject: RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Hi Mike: The table doesn't seem to reflect yet the identified priority swap-outs due to sampling/presence of children:

nonresponsive nonresponsive Ave
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4742-56 Carey St
nonresponsive nonresponsive St
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nonresponsive nonresponsive St
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We should make those changes.

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 - None
- **Abonmarche surveys completed today:**
 - [nonresponsive] [nonresponsive] Survey 4
- **Backfill today:**
 - [nonresponsive] [nonresponsive] – 9 (5CY) Trucks Common Backfill
 - [nonresponsive] [nonresponsive] 6 (5CY) Trucks Common Backfill
- **Concrete Repairs:**
 - None
- **Sod, plants, and restoration completed today**
 - Sod Completed at [nonresponsive] [nonresponsive] and [nonresponsive] [nonresponsive]

General Work Today

- ACI stockpile management
- Backfill operations
- Excavations
- Survey operations
- End of the day security checks completed
- Security patrol

Import Fill today

- 5 loads common fill
- 1 load of #53 stone
- 9 loads of topsoil

Waterline flushing today

- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonres]

Street Force Operations

- Water bill flyers handed out
- Made contact with owner at [nonresponsive] [nonresponsive] to setup pre-construction meeting

Changed Conditions/Delay/Conflicts Encountered

- Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

Visitors/Discussions

- Theo Von Wallmenich

Planned Work for Tomorrow (7/13)

Clearing:

[nonresponsive] [nonresponsive]

Excavation:

Crew 1: [nonresponsive] [nonresponsive] – Continue
[nonresponsive] [nonresponsive] Touch up

Crew 2: [nonresponsive] [nonresponsive] – Continue

Backfill:

Crew 1: [nonresponsive] [nonresponsive] Topsoil – Continue
[nonresponsive] [nonresponsive] – Start

Crew 2: [nonresponsive] [nonres] Topsoil – Continue
[nonresponsive] [nonresponsive] – Start

Restoration:

[nonresponsive] [nonres]

Plants and Sod:

[nonresponsive] [nonresponsive] – Sod, weather dependent

Trees and stumps:

None

Surveys:

nonresponsive	nonresponsive	Survey 3
nonresponsive	nonresponsive	Survey 3
nonresponsive	nonresponsive	Survey 2
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1

Private Utility Locates:

None

Importing Backfill:

- 9 +/- Loads Common Backfill
- 1 Load Peat

Michael Lehman
Construction Manager
D 1 414 847 0327
M 1 414 687 6665

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Milwaukee, WI 53214
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Dunneback, Michael

From: Drexler, Timothy
Sent: Thursday, July 13, 2017 11:29 AM
To: Lehman, Michael/MKE; Rolfes, Sarah; Dunneback, Michael
Cc: Von Wallmenich, Theo/DET; Shanahan, Michael/SAC; Rolfes, Sarah
Subject: RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Hi Mike: The table doesn't seem to reflect yet the identified priority swap-outs due to sampling/presence of children:

nonresponsive nonresponsive Ave
nonresponsive Ave
4742-56 nonresponsive St
nonresponsive nonresponsive St
nonresponsive nonresponsive St
nonresponsive nonresponsive St
nonresponsive nonresponsive Ave
nonresponsive nonresponsive
nonresponsive 36 nonresponsive Ave

We should make those changes.

-Tim

From: Lehman, Michael/MKE [mailto:Michael.Lehman@CH2M.com]
Sent: Wednesday, July 12, 2017 5:32 PM
To: Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>
Cc: Amley, Kimberly/DET <Kimberly.Amley@CH2M.com>; Ewing, Denis/ATL <Denis.Ewing@CH2M.com>; Woods, Carl/CIN <Carl.Woods@CH2M.com>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Plsek, Robert/DFW <Robert.Plsek@CH2M.com>; Seaman, Jennifer/CHC <Jennifer.Seaman@ch2m.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>
Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Tim, Sarah and Michael-

The following is a summary for the USS Lead Zone 3 remediation project through July 12th, 2017. Please also find for your review the EPA progress summary and City info summaries attached.

Project Progress Summary

Precon Surveys Completed

- 69 of 120

Excavations Completed

- 34 of 120

General Fill Completed

- 22 Properties

Topsoil Completed

- 29 Properties

Sod Installations Completed

- 26 Properties

Sod Maintenance Period Completed

- 2 Properties

Preconstruction Property Meeting Status

Meetings today:

- nonresponsive 19 nonresponsive

Status:

- Initial Precon Meetings % Complete: 75.0%
- Final Precon Meetings % Complete: 62.5%

Post construction Property Meeting Status

- No Post-Con meetings today
- Post-Con Meetings % Complete: 0.0%

Work Performed Today

Safety-

- CH2M and Arrowhead complete tailgate safety meeting
- Safe behavior observations completed today
- ACI submits final incident report for topsoil truck vehicular accident
- Lightning shutdown site operations from 10:22 am to 11:43 am
- Heavy rains at approximately 1:45 pm shut down operations for the remainder of the day
- ACI completes physiological monitoring

Quality

- QA completed field verification of Post topsoil survey at [nonresponsive] [nonresponsive]
- QA inspected excavation at [nonresponsive] [nonresponsive] and [nonresponsive] [nonresponsive]
- QA inspected common fill placement at [nonresponsive] [nonresponsive]
- QA completed Sod placement at [nonresponsive] [nonresponsive] Sod panels were thinner than the ½" requirement in the specs. ACI assumes responsibility for Sod placed per RFI 11.
- QA completed sod follow up inspections at [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] [nonresponsive] QA completed air monitoring support for team members as needed. Various sod panels still showing brown areas.
- QA completed QC of perimeter air monitoring data.
- Transmittals received: None
- Transmittals distributed: RFI 12- Compaction testing- testing to continue per specifications.

Property Work Today

- Impacted export today
 - [nonresponsive] [nonresponsive] 2 (5CY) Truck
 - [nonresponsive] [nonresponsive] 3 (5CY) Truck and 5 (7CY) Truck
- Arrowhead tree and stump removal today:
 - None
- Arrowhead property clearing today:
 - [nonresponsive] [nonresponsive] Started
- Bloodhound completes utility locate surveys at:
 - None
- Abonmarche surveys completed today:
 - [nonresponsive] Grasselli Survey 4
- Backfill today:
 - [nonresponsive] [nonresponsive] – 9 (5CY) Trucks Common Backfill
 - [nonresponsive] [nonresponsive] 6 (5CY) Trucks Common Backfill
- Concrete Repairs:
 - None
- Sod, plants, and restoration completed today
 - Sod Completed at 4729 [nonresponsive] and [nonresponsive] [nonresponsive]

General Work Today

- ACI stockpile management
- Backfill operations
- Excavations
- Survey operations
- End of the day security checks completed
- Security patrol

Import Fill today

- 5 loads common fill
- 1 load of #53 stone
- 9 loads of topsoil

Waterline flushing today

- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonresponsive]
- [nonresponsive] [nonres]

Street Force Operations

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- Made contact with owner at [nonresponsive] [nonresponsive] to setup pre-construction meeting

Changed Conditions/Delay/Conflicts Encountered

- Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

Visitors/Discussions

- Theo Von Wallmenich

Planned Work for Tomorrow (7/13)

Clearing:

[nonresponsive] [nonresponsive]

Excavation:

Crew 1: [nonresponsive] [nonresponsive] – Continue
[nonresponsive] [nonresponsive] Touch up

Crew 2: [nonresponsive] [nonresponsive] – Continue

Backfill:

Crew 1: [nonresponsive] [nonresponsive] Topsoil – Continue
[nonresponsive] [nonresponsive] - Start

Crew 2: [nonresponsive] [nonres] Topsoil – Continue
[nonresponsive] [nonresponsive] - Start

Restoration:

[nonresponsive] [nonres]

Plants and Sod:

[nonresponsive] [nonresponsive] – Sod, weather dependent

Trees and stumps:

None

Surveys:

nonresponsive	nonresponsive	Survey 3
nonresponsive	nonresponsive	Survey 3
nonresponsive	nonresponsive	Survey 2
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1
nonresponsive	nonresponsive	Survey 1

Private Utility Locates:

None

Importing Backfill:

9 +/- Loads Common Backfill
1 Load Peat

Michael Lehman
Construction Manager
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M 1 414 687 6665

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Dunneback, Michael

From: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Sent: Friday, June 30, 2017 9:57 AM
To: Dunneback, Michael; Drexler, Timothy; Rolfes, Sarah
Cc: Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan, Michael/SAC; Lehman, Michael/MKE; Roberts, Lynn/DEN
Subject: RE: Four Additional New Priority Z3 designs for 2017 Substitution

Thank you Mike and Tim.

We will proceed accordingly.

Thanks,
Theo

From: Dunneback, Michael [mailto:dunneback.michael@epa.gov]
Sent: Friday, June 30, 2017 9:52 AM
To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Cc: Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Roberts, Lynn/DEN <Lynn.Roberts@ch2m.com>
Subject: RE: Four Additional New Priority Z3 designs for 2017 Substitution [EXTERNAL]

Good Morning Paul and Theo,

The proposed property swaps included in your e-mail below are acceptable to EPA. Please proceed with the necessary changes to the construction schedule to incorporate the "substitute-in" properties and removal of the "substitute-out" properties.

Cordially,

Mike Dunneback

Contracting Officer
U.S. EPA Region 5
Mail Code MCC-10J
77 W. Jackson Blvd.
Chicago, IL 60604
Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]
Sent: Wednesday, June 28, 2017 6:47 AM
To: Dunneback, Michael <dunneback.michael@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Cc: Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Roberts, Lynn/DEN <Lynn.Roberts@ch2m.com>
Subject: RE: Four Additional New Priority Z3 designs for 2017 Substitution

Thanks Tim. We have identified four additional "substitute-out" properties and added them to the original four (6/23/17 Email from me to this group) in the table below for a total of **eight** proposed properties to substitute-out from 2017 for the eight higher priority properties that EPA would like to substitute in for 2017.

We discussed on Tuesday 6/27 that the RD drawings for these eight properties provided in your Emails as noted in the revised table below are the EPA-approved final RD drawings from SulTRAC, and I will contact Rik separately to obtain the signed RA access agreements for these eight properties. We will then incorporate the change into Arrowhead's subcontract and proceed with the eight new properties in 2017, and remove the eight "substitute-out" properties from 2017.

Substitute-In for 2017	Design Status of Substitute-In	Proposed Substitute-
nonresponsive nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsive 42 nonresponsive
nonresponsive nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsive nonres
nonresponsive nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsive nonres
nonresponsive nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsive nonres
nonresponsive nonresponsive	RD dwg done and EPA-approved (Drexler 5/24/17 Email).	nonresponsive 30 nonresponsive
nonresponsive 19 nonresponsive	RD dwg done and EPA-approved (Drexler 5/24/17 Email).	nonresponsive nonresponsive
nonresponsive nonresponsive	RD dwg done and EPA-approved (Drexler 5/30/17 Email).	nonresponsive nonresponsive
nonresponsive 36 nonresponsive	RD dwg done and EPA-approved (Drexler 5/30/17 Email).	nonresponsive nonresponsive
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R.Lanz Email	None
nonresponsive	Awaiting data	N/A

N.b.: The bottom two rows are grayed back because those two properties do not appear ready to substitute in at this time.

Theo von Wallmenich
Senior Project Manager
D 1 989 285 1515
M 1 517 483 3015

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www.ch2m.com

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]
Sent: Monday, June 26, 2017 2:30 PM
To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>
Subject: FW: New Priority Z3 designs [EXTERNAL]

Hi Theo: Some newly defined priority properties that we need to work into the 2017 schedule.

-Tim

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Friday, June 16, 2017 10:15 AM
To: Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Cc: Drexler, Timothy <drexler.timothy@epa.gov>; Matt Bizjack <mbizjack@scst.com>; Jacki Shepherd <jshepherd@scst.com>; Chris Ore <core@scst.com>
Subject: New Priority Z3 designs

All: Attached please find four remedial designs for Z3. Three of these are new:

Zone 3 properties - newly identified priorities, designs submitted 6/16 (3):

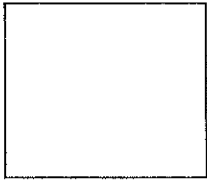
[nonresponsive] **[nonresponsive]** – sensitive population, contamination in top 6 inches of soil (Alcamo e-mail 5/31)
[nonresponsive] **[nonresponsive]** **St** – sensitive population, contamination in top 6 inches of soil
[nonresponsive] **[nonresponsive]** sensitive population, contamination in top 6 inches of soil

The fourth is a design for **[nonresponsive]** Grasselli that we previously submitted on 4/4. The revised design shows an area that we believe should be restored with gravel, no other changes. This is a gray area – restoration of particular areas with gravel or mulch is typically decided at the time of the meeting with the property owner. However, in this case, the area is currently covered with gravel and is at the back a building that runs up to the alley, so it seems clear that it should remain gravel-covered rather than restored with sod, and we have depicted as much on the revised design. Since we'll do the rest of the designs with unambiguous gravel areas shown this way (there aren't all that many), we thought we ought to resubmit this one for consistency.

Please feel free to call with any questions or concerns.

Thanks,
Rik

Rik Lantz, P.G., LEED-AP
Director of Environmental Services



SDVOSB . DVBE
Geotechnical Engineering | Special Inspection & Materials Testing
Environmental Science & Engineering | Facilities Consulting
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Dunneback, Michael

From: Dunneback, Michael
Sent: Friday, June 30, 2017 8:52 AM
To: Von Wallmenich, Theo/DET; Drexler, Timothy; Rolfes, Sarah
Cc: Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan, Michael/SAC; Lehman, Michael/MKE; Roberts, Lynn/DEN
Subject: RE: Four Additional New Priority Z3 designs for 2017 Substitution

Good Morning Paul and Theo,

The proposed property swaps included in your e-mail below are acceptable to EPA. Please proceed with the necessary changes to the construction schedule to incorporate the "substitute-in" properties and removal of the "substitute-out" properties.

Cordially,

Mike Dunneback

Contracting Officer
U.S. EPA Region 5
Mail Code MCC-10J
77 W. Jackson Blvd.
Chicago, IL 60604
Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]
Sent: Wednesday, June 28, 2017 6:47 AM
To: Dunneback, Michael <dunneback.michael@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Cc: Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Roberts, Lynn/DEN <Lynn.Roberts@ch2m.com>
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nonresponsive nonresponsive	RD dwg done and EPA-approved (Drexler 5/30/17 Email).	nonresponsive nonresponsive
nonresponsive 36 nonresponsive	RD dwg done and EPA-approved (Drexler 5/30/17 Email).	nonresponsive nonresponsive
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R Lanz Email	None
nonresponsive	Awaiting data	N/A

N.b.: The bottom two rows are grayed back because those two properties do not appear ready to substitute in at this time.

Theo von Wallmenich
Senior Project Manager
D 1 989 285 1515
M 1 517 483 3015

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Sent: Monday, June 26, 2017 2:30 PM
To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>
Subject: FW: New Priority Z3 designs [EXTERNAL]

Hi Theo: Some newly defined priority properties that we need to work into the 2017 schedule.

-Tim







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Sent: Friday, June 16, 2017 10:15 AM
To: Rolfes, Sarah <Rolfes.Sarah@epa.gov>


Cc: Drexler, Timothy <drexler.timothy@epa.gov>; Matt Bizjack <mbizjack@scst.com>; Jacki Shepherd <jshepherd@scst.com>; Chris Ore <core@scst.com>

Subject: New Priority Z3 designs

All: Attached please find four remedial designs for Z3. Three of these are new:

Zone 3 properties - newly identified priorities, designs submitted 6/16 (3):

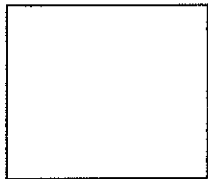
  sensitive population, contamination in top 6 inches of soil (Alcamo e-mail 5/31)
  St – sensitive population, contamination in top 6 inches of soil
  sensitive population, contamination in top 6 inches of soil

The fourth is a design for  Grasselli that we previously submitted on 4/4. The revised design shows an area that we believe should be restored with gravel, no other changes. This is a gray area – restoration of particular areas with gravel or mulch is typically decided at the time of the meeting with the property owner. However, in this case, the area is currently covered with gravel and is at the back a building that runs up to the alley, so it seems clear that it should remain gravel-covered rather than restored with sod, and we have depicted as much on the revised design. Since we'll do the rest of the designs with unambiguous gravel areas shown this way (there aren't all that many), we thought we ought to resubmit this one for consistency.

Please feel free to call with any questions or concerns.

Thanks,
Rik

Rik Lantz, P.G., LEED-AP
Director of Environmental Services



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Dunneback, Michael

From: Dunneback, Michael
Sent: Tuesday, June 27, 2017 1:13 PM
To: Drexler, Timothy
Cc: Rolfes, Sarah
Subject: FW: USS Lead Zone 3, Four Additional Proposed Property Substitutions for 2017

Tim,

I take no issue with the 4 proposed swap outs but wanted to check with you first to (1) make sure you were in agreement, and (2) have the design drawings for the properties to be subbed in.

Cordially,

Mike Dunneback

Contracting Officer
U.S. EPA Region 5
Mail Code MCC-10J
77 W. Jackson Blvd.
Chicago, IL 60604
Phone -- (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]
Sent: Friday, June 23, 2017 3:23 PM
To: Dunneback, Michael <dunneback.michael@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>
Cc: Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Roberts, Lynn/DEN <Lynn.Roberts@ch2m.com>
Subject: USS Lead Zone 3, Four Additional Proposed Property Substitutions for 2017

Mike, Tim and Sarah,

Per our status call this week, here is the table summarizing the properties we would suggest substituting-out for the 4 higher priority properties that EPA would like to substitute in for 2017. The bottom two rows are grayed back because those two properties do not appear ready to substitute in at this time.

If you agree, please provide the approved final RD drawings from SulTRAC and the signed RA access agreements. We will then incorporate the change into Arrowhead's subcontract and proceed with the new properties in 2017.

Substitute-In for 2017	Design Status of Substitute-In	Proposed Substitute-Out of 2017
nonresponsive nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive 30 nonresponsive
nonresponsive 19 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive nonresponsive
nonresponsive nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive nonresponsive
nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive nonresponsive
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R. Lanz Email	None
nonresponsive	Awaiting data	N/A

Thanks,
Theo

Theo von Wallmenich
Senior Project Manager
D 1 989 285 1515
M 1 517 483 3015

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Novi, MI 48375
www.ch2m.com

Dunneback, Michael

From: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Sent: Friday, June 09, 2017 7:41 AM
To: Dunneback, Michael; Drexler, Timothy
Cc: Shanahan, Michael/SAC; Lehman, Michael/MKE; Watkins, Timothy/DET; Arps, Paul/MKE; Clark, Julie/DET
Subject: RE: Z3 Final Designs for [nonresponsive] 10 [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave

Tim and Mike,

Shortly after I sent the below Email, we got word that [nonresponsive] 10 [nonresponsive] would like to set up a pre-construction meeting. We conducted the meeting and now [nonresponsive] 10 [nonresponsive] is back in 2017. It's good news that we have a response from them, and we will work to find a new proposed substitute-out property for that one. Currently, proposed substitute-out of 2017 list looks like this:

Substitute-In for 2017	Design Status of Substitute-In	Proposed Substitute-Out of 2017
[nonresponsive] [nonresponsive]	RD dwg done. Ready to receive from CO	[nonresponsive] [nonresponsive]
[nonresponsive] 19 [nonresponsive]	RD dwg done. Ready to receive from CO	[nonresponsive] [nonresponsive]
[nonresponsive] [nonresponsive]	RD dwg done. Ready to receive from CO	[nonresponsive] [nonresponsive]
[nonresponsive] 36 [nonresponsive]	RD dwg done. Ready to receive from CO	[nonresponsive] [nonresponsive]
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R.Lanz Email	[nonresponsive] 30 [nonresponsive]
[nonresponsive] [nonresponsive]	Awaiting data	N/A

Thanks,
Theo

From: Von Wallmenich, Theo/DET
Sent: Thursday, June 08, 2017 5:14 PM
To: Dunneback.Michael@epamail.epa.gov; Timothy Drexler (drexler.timothy@epa.gov) <drexler.timothy@epa.gov>
Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Clark, Julie/DET <Julie.Clark@CH2M.com>
Subject: RE: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave [EXTERNAL]

Tim and Mike,

Based on our weekly RA call today and the Carrie Gosch School meeting on Tuesday the following properties are proposed to remove from the 2017 work instead of [nonresponsive] [nonresponsive] and [nonresponsive] [nonresponsive]

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nonresponsive nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive nonresponsive
nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive nonres
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R.Lanz Email	nonresponsive 30 nonresponsive
nonresponsive nonresponsive	Awaiting data	N/A

Thanks,
Theo

From: Von Wallmenich, Theo/DET

Sent: Monday, June 05, 2017 5:31 PM

To: Dunneback.Michael@epamail.epa.gov; Timothy Drexler (drexler.timothy@epa.gov) <drexler.timothy@epa.gov>

Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Clark, Julie/DET <Julie.Clark@CH2M.com>

Subject: RE: Z3 Final Designs for nonresponsive nonresponsive St and nonresponsive 36 nonresponsive Ave [EXTERNAL]

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Theo

From: Von Wallmenich, Theo/DET

Sent: Friday, June 02, 2017 10:41 AM

To: 'Drexler, Timothy' <drexler.timothy@epa.gov>; 'dunneback.michael@epa.gov' <dunneback.michael@epa.gov>

Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Watkins, Timothy/DET

<Timothy.Watkins@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Clark, Julie/DET <Julie.Clark@CH2M.com>
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To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>
Subject: FW: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 Grasselli Ave [EXTERNAL]

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Cc: Rik Lantz <rlantz@scst.com>; Jacki Shepherd <jshepherd@scst.com>; Carlos Menor Salazar <cmenorsalazar@scst.com>
Subject: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave

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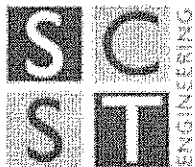
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 - **Substitute** [nonresponsive] [nonresponsive] St – clean at surface, marginal contamination at 6-12" (10 yd³ total excavation)
- [nonresponsive] 36 [nonresponsive] Ave – Pb >= 1200 and As >= 68 in 0-6 inches (192 yd³ total excavation)
 - **Substitute** [nonresponsive] [nonresponsive] Ave – clean at surface, dirty at depth (195 yd³ total excavation)
 - For more details, see Rik's email sent 5/23/2017, copied below.

Thanks,

Matt Bizjack
Staff Geologist



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From: Rik Lantz

Sent: Tuesday, May 23, 2017 11:36 AM

To: drexler.timothy@epa.gov

Cc: Matt Bizjack <mbizjack@scst.com>; David Howard <dhoward@scst.com>; Leo Larson <llarson@scst.com>

Subject: substitutions for new Z3 high priority properties

Tim: When we spoke last week, we discussed switching out some of the existing 120 Z3 properties that ch2m is working on for the five new Z3 priority properties. We assumed that much of the June work is already in progress, so we limited the possible substitution properties to those starting in July, based on the schedule you sent. From there, we chose properties with similar excavation volume, and checked concentrations to make sure we were selecting properties that can be pushed off until next year without an undue health risk, so we could fit in the priorities that pose a more immediate health risk.

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Among these, [REDACTED] is the best choice in terms of volume, but it does have high concentrations at depth. My take on it is that since the surface is pretty clean, we should move forward with using [REDACTED] as a substitute for [REDACTED] — 36 [REDACTED] (192 CY), but I want to check your read on it. What do you think — big difference in volume or leave some pretty contaminated soil in place for another year, since it is at depth and the surface is below criteria? The other two properties have relatively low concentrations (see below):

[REDACTED] (195 CY)

Sample Data (concentrations shown in milligrams per kilogram - mg/kg)				
4933 Euclid Ave				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	178	15 U	221	17 U
6-12 inches	336	18	611	19
12-18 inches	1342	53 J	1651	54 J
18-24 inches	2495	122	1975	148
24-30 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)

[REDACTED] (229 CY)

Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	203	14.6	558	46
6-12 inches	111	0.1	719	57
12-18 inches	87	13	850	99
18-24 inches	Native Sand (NS)	Native Sand (NS)	541	42
24-30 inches	Native Sand (NS)	Native Sand (NS)	552	87

4937 Euclid (156 CY)

Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	256	63	203	59
6-12 inches	208	27.1	130	59.1
12-18 inches	56	18.1	300	43.1
18-24 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)
24-30 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)

Thanks,
Rik

Dunneback, Michael

From: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Sent: Thursday, June 08, 2017 4:14 PM
To: Dunneback, Michael; Drexler, Timothy
Cc: Shanahan, Michael/SAC; Lehman, Michael/MKE; Watkins, Timothy/DET; Arps, Paul/MKE; Clark, Julie/DET
Subject: RE: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave

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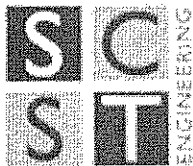
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Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	178	14.0	271	17.0
6-12 inches	330	18	611	19
12-18 inches	1242	23.1	1531	14.1
18-24 inches	2405	122	1275	140
24-30 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)

1. Exceeded 10 mg/kg - NS - Not Sampled / Analyzed (Exceeded Data)

2229 CY				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	233	14.6	458	45
6-12 inches	111	6.1	749	57
12-18 inches	87	13	850	19
18-24 inches	Native Sand (NS)	Native Sand (NS)	641	12
24-30 inches	Native Sand (NS)	Native Sand (NS)	162	17

Euclid (156 CY)				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	266	63	203	59
6-12 inches	208	27.1	190	59.1
12-18 inches	96	18.1	900	43.1
18-24 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)
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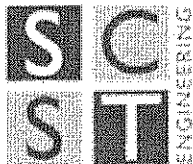
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Staff Geologist



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24-30 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)

[REDACTED] (229 CY)

[REDACTED] Ivy St				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	233	146	658	45
6-12 inches	111	8 J	749	57
12-18 inches	87	13	860	19
18-24 inches	Native Sand (NS)	Native Sand (NS)	541	47
24-30 inches	Native Sand (NS)	Native Sand (NS)	662	47

[REDACTED] (156 CY)

[REDACTED] Euclid Ave				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	256	63	203	59
6-12 inches	208	27 J	130	59 J
12-18 inches	56	18 J	300	43 J
18-24 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)
24-30 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)

Thanks,
Rik

Dunneback, Michael

From: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Sent: Friday, June 02, 2017 9:41 AM
To: Drexler, Timothy; Dunneback, Michael
Cc: Shanahan, Michael/SAC; Lehman, Michael/MKE; Watkins, Timothy/DET; Arps, Paul/MKE; Clark, Julie/DET
Subject: RE: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave

Tim and Mike,

As requested we reviewed the proposed 2017 property substitutions, and have summarized in the table below the design and construction status of the proposed substitutions. Essentially, we agree with substituting out [nonresponsive] [nonresponsive] but we would recommend alternative substitute-out properties as noted in the table below based on current construction status.

Also, please transmit the RA access agreements and approved final design drawings with the technical direction for the property substitutions.

Substitute-In	Design Status	Proposed Sub-Out	Construction Status of Proposed Sub-Out
[nonresponsive] [nonresponsive]	RD dwg done. Ready to receive from CO	[nonresponsive] 28 [nonresponsive]	Pre-construction completed
[nonresponsive] 19 [nonresponsive]	RD dwg done. Ready to receive from CO	[nonresponsive] 10 [nonresponsive]	Planned for July
[nonresponsive] [nonresponsive]	RD dwg done. Ready to receive from CO	[nonresponsive] [nonresponsive]	No pre-con mtg yet; XRF for over-ex.
[nonresponsive] 36 [nonresponsive]	RD dwg done. Ready to receive from CO	[nonresponsive] [nonresponsive]	Pre-construction completed; Type 2 soils.
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R.Lanz Email	[nonresponsive] [nonresponsive]	Pre-construction completed
[nonresponsive] [nonresponsive]	Awaiting data	None identified	N/A

Thanks,
Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]
Sent: Tuesday, May 30, 2017 5:03 PM
To: Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>
Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>
Subject: FW: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave [EXTERNAL]

Hi Theo: Could you look at these for potential swaps and let me know what you think?

Thanks,

-Tim

From: Matt Bizjack [mailto:mbizjack@scst.com]

Sent: Tuesday, May 30, 2017 4:00 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>

Cc: Rik Lantz <rlantz@scst.com>; Jacki Shepherd <jshepherd@scst.com>; Carlos Menor Salazar <cmenorsalazar@scst.com>

Subject: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave

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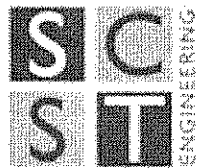
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Based on size of property, timing of remediation, and concentrations, we recommend the following substitutions of the properties that are included among the 120 Z3 properties that you are currently working on in Z3:

- [nonresponsive] [nonresponsive] St – elevated concentrations in 0-6 inches of back yard, and indication of sensitive population on access agreement (7 yd³ total excavation)
 - **Substitute** [nonresponsive] [nonresponsive] St – clean at surface, marginal contamination at 6-12" (10 yd³ total excavation)
- [nonresponsive] 36 [nonresponsive] Ave – Pb >= 1200 and As >= 68 in 0-6 inches (192 yd³ total excavation)
 - **Substitute** [nonresponsive] [nonresponsive] Ave – clean at surface, dirty at depth (195 yd³ total excavation)
 - For more details, see Rik's email sent 5/23/2017, copied below.

Thanks,

Matt Bizjack
Staff Geologist



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From: Rik Lantz

Sent: Tuesday, May 23, 2017 11:36 AM

To: drexler.timothy@epa.gov

Cc: Matt Bizjack <mbizjack@scst.com>; David Howard <dhoward@scst.com>; Leo Larson <llarson@scst.com>

Subject: substitutions for new Z3 high priority properties

Tim: When we spoke last week, we discussed switching out some of the existing 120 Z3 properties that ch2m is working on for the five new Z3 priority properties. We assumed that much of the June work is already in progress, so we limited the possible substitution properties to those starting in July, based on the schedule you sent. From there, we chose properties with similar excavation volume, and checked concentrations to make sure we were selecting properties that can be pushed off until next year without an undue health risk, so we could fit in the priorities that pose a more immediate health risk.

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[REDACTED] (195 CY)

Sample Data (concentrations shown in milligrams per kilogram - mg/kg)				
Euclid Ave				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	178	15 U	221	17 U
6-12 inches	330	18	611	19
12-18 inches	1342	53 J	1654	54 J
18-24 inches	2165	122	1975	145
24-30 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)

[REDACTED] (229 CY)

Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	273	14.6	628	45
6-12 inches	411	8.1	749	67
12-18 inches	87	13	890	98
18-24 inches	Native Sand (NS)	Native Sand (NS)	541	42
24-30 inches	Native Sand (NS)	Native Sand (NS)	662	47

(156 CY)

Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	266	63	203	59
6-12 inches	308	27.3	130	89.7
12-18 inches	96	18.3	300	43.1
18-24 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)
24-30 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)

Thanks,
Rik

Dunneback, Michael

From: Arps, Paul/MKE <Paul.Arps@CH2M.com>
Sent: Wednesday, May 31, 2017 7:31 AM
To: Dunneback, Michael
Cc: Dellaria, Christina
Subject: FW: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave

Good Morning Mike,

I am forwarding this note as an FYI at this time, however noting that this is an additional property swap and that we will continue to monitor its impact to the completion target of 120 properties.

Also note the request below for additional data loading. Due to the number of changes/requests we have been receiving that have been outside of our work plan assumptions, I have asked Theo to add these to a new tab into the change log we are submitting to the EPA on a weekly basis. We have been documenting these in our TSRs, but due to the lag in TSR submittal to the changes being encountered we felt the timing of the documentation was a bit too delayed.

Please give me a call if you have any questions. We can also discuss this during our weekly RA call tomorrow.

Thanks!

Paul Arps
Program Manager
Manager of Projects
National Government Client Sector
D 414 847 0259
M 262 617 7762

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Sent: Tuesday, May 30, 2017 5:15 PM
To: Drexler, Timothy <drexler.timothy@epa.gov>
Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>
Subject: RE: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave [EXTERNAL]

Thanks Tim. At first glance I don't see any major issues, but have asked the field team for their input as well on logistics/implementation, and will get back to you with any additional input. Mike D. mentioned at our weekly RA call last week that he is thinking to send all the "swaps" at once to have all the formal change direction paperwork in one place. This should also make it easier to convey the change to Arrowhead.

Also, I got your voice mail on uploading Parson's waste soil disposal data to Scribe, and have asked Adrienne for her input on that process. Again, I don't immediately see a big issue with it, but it's not in our Work Plan assumptions so I will let you know what, if any, impacts there might be after I hear from Adrienne and will document in TSR as appropriate.

Thanks,

Theo

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Hi Theo: Could you look at these for potential swaps and let me know what you think?

Thanks,

-Tim

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Subject: Z3 Final Designs for [REDACTED] St and [REDACTED] 36 Ave

Hi Tim,

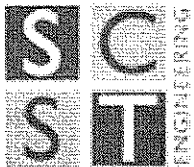
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 - **Substitute** [REDACTED] Ave – clean at surface, dirty at depth (195 yd³ total excavation)
 - For more details, see Rik's email sent 5/23/2017, copied below.

Thanks,

Matt Bizjack
Staff Geologist



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[REDACTED] (195 CY)

Sample Data (concentrations shown in milligrams per kilogram - mg/kg)				
[REDACTED]				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	179	150	201	170
6-12 inches	392	18	511	19
12-18 inches	1342	53.1	1051	24.2
18-24 inches	2465	102	1075	148
24-30 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)

[REDACTED] (229 CY)

[REDACTED]				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	333	146	552	45
6-12 inches	111	8.1	749	57
12-18 inches	87	11	656	19
18-24 inches	Native Sand (NS)	Native Sand (NS)	641	42
24-30 inches	Native Sand (NS)	Native Sand (NS)	622	47

[REDACTED] (156 CY)

nonresponsive				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	206	61	203	64
6-12 inches	208	27 J	100	29 J
12-18 inches	96	18 J	300	43 J
18-24 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)
24-30 inches	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)	Native Sand (NS)

Thanks,
Rik

Dunneback, Michael

From: Dunneback, Michael
Sent: Wednesday, May 31, 2017 7:37 AM
To: Arps, Paul/MKE
Cc: Dellaria, Christina
Subject: RE: Z3 Final Designs for [nonresponsive] [nonresponsive] St and [nonresponsive] 36 [nonresponsive] Ave

Paul,

Thank you for providing this information. I will review it and we can discuss further tomorrow, if necessary. I'm slowly losing my voice so I've been trying to avoid the phone as much as possible, but I will be on for tomorrow.

Cordially,

Mike Dunneback

Contracting Officer
U.S. EPA Region 5
Mail Code MCC-10J
77 W. Jackson Blvd.
Chicago, IL 60604
Phone — (312) 886-7523

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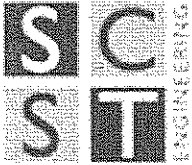
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Staff Geologist



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nonresponsive nonresponsive (229 CY)

nonresponsive				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	223	545	458	45
6-12 inches	311	6 U	749	57
12-18 inches	87	13	250	19
18-24 inches	Native Sand (NS)	Native Sand (NS)	141	45
24-30 inches	Native Sand (NS)	Native Sand (NS)	162	47

nonresponsive nonresponsive (156 CY)

nonresponsive				
Depth	Front - Lead	Front - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	266	63	203	59
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Thanks,
Rik